

6556 MicroLogix Press Clutch/Brake Panel Assembly



Pre-assembled MicroLogix 6556 PLC Based Safety PES for Mechanical Press Clutch/Brake Control

Overview

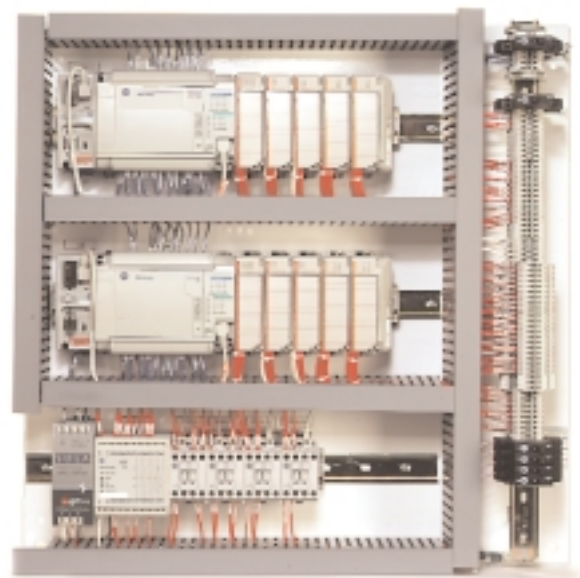
Before you purchase a new mechanical stamping press or retrofit existing machinery, take a look into the newest addition to the Allen-Bradley 6556 series press control solutions family. The 6556 MicroLogix Clutch/Brake solution can be supplied as a pre-engineered, completely assembled, wired and tested panel assembly. Because of its low cost, simplicity of installation, and ease of operation you can be running production the same day of installation. This panel assembly is especially suited for smaller presses with one run-station and Rotary-Cam Limit Switches for position. You simply need to use the accompanying documentation to mount the panel assembly, wire the existing field devices to the panel mounted terminal strip, and the system is ready to run.

Package Description

This panel assembly maintains a control reliable safety solution based on a leading industrially rated platform that sets high standards for reliability and expandability. The pre-assembled and wired 6556 Clutch/Brake product includes redundant controller hardware, safety relays, a power supply, application software and documentation. No user PLC programming is required, and like the 6556 MLCBK kit, this panel assembly can use a variety of networking options for connecting to other press controls, factory automation, and plant networks.

Expandable

If more press control functionality is required, a third processor can easily be added to provide total press control networking. Such functions could include resolver-based Programmable Limit Switch Outputs, Die Monitoring, Tonnage, Motor and Drive Controls, Lube, Production Monitoring, Quality and Data Acquisition, Feed Control and other Automation. This can either be a PLC, SLC, MicroLogix or ControlLogix platform.



Results

A major manufacturer who needed a clutch/brake control solution in a short period of time, and was required to meet current press safety regulations, did not have time to engineer and build their own system. They decided on the pre-assembled 6556 MicroLogix Clutch/Brake product. The result was a satisfied customer who was able to install the product in a short time allowing them to meet production quotas as well as satisfying the local code and safety regulations.



Bringing Together Leading Brands in Industrial Automation

Flexible

Customers can order custom panels or a pre-engineered PressMaster™ System which includes magnetics and an HMI mounted in a NEMA enclosure. Contact your local Distributor or Rockwell Automation Sales representative for more information.

AC and DC Panel Assemblies Available

The 6556PNLMA1 Panel Assembly requires a 120 VAC grounded power source with 120 VDC supplied for I/O control. The 6556PNLMD1 Panel Assembly requires a 120VAC grounded power source with 24VDC supplied for I/O control.

A PanelView or other HMI must be ordered separately, along with either a DeviceNet, DH485 or Ethernet network interface module.

Designed to Following Standards

- OSHA 1910.217
- ANSI B11.1
- CAN/CSA-Z142-M90
- NFPA No. 79
- IEC 61508 parts 1-7
- EN 692
- EN 954 et.al.

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